

What is claimed is:

1. A method of image transform characterized by transforming an original image to an interpolation transformed image magnified up to a predetermined magnification during interpolation processing of picture element values of each picture element, by performing Fractal processing of said original image and transforming it to a Fractal transformed image magnified up to said predetermined magnification and having the similarity and further by creating an enlarged image using picture element values used for enlargement of images obtained by performing an operation for correction of picture element values of both corresponding picture elements of said interpolation transformed image and said Fractal transformed image.

2. The method of image transform as defined in claim 1 characterized by that, in said operation for said correction, the weighted difference in picture element values between both corresponding picture elements of said two images is added to picture element values of either of said interpolation transformed image or said Fractal transformed image to calculate said picture element values to be used for enlargement of images.

3. The method of image transform as defined in claim 1 characterized in that, in said Fractal processing, said original image is divided into a plurality of domain blocks, two or more range block images having the similarity to the image of each domain block are selected, averaged values of corresponding picture element values of each range block image are calculated and said Fractal transformed image is then created from the

range block image having the averaged value.

4. The method of image transform as defined in claim 1 characterized in that, in said Fractal processing, though said original image is divided into a plurality of domain blocks and the range block image having the highest similarity to images of each domain block is selected, if the degree of similarity of said range block image is lower than a set threshold, the picture element value of said range block image can be replaced, without said operation for the correction, with the corresponding picture element values of said interpolation transformed image.

5. The method of image transform as defined in claim 1 characterized in that, said original image is a color image resolved by each color component in specified color space.

6. A method of image transform characterized by performing interpolation processing of picture element values of an original image and transforming it to an interpolation transformed image magnified up to a predetermined magnification, by performing Fractal processing and by transforming said original image to the Fractal transformed image magnified up to the predetermined magnification and having the similarity, and if the difference in picture element values between both corresponding picture elements of said interpolation transformed image and said Fractal transformed image is larger than a set threshold, the picture element value of said Fractal transformed image is replaced with picture element values of the corresponding picture element of said interpolation transformed image.

7. A device of image transform comprising an interpolation processing section which performs interpolation processing of picture element value of each picture element and transforms an original image to an interpolation transformed image magnified up to a predetermined magnification, Fractal transform processing section which performs Fractal processing and transforms said original image to a Fractal transformed image magnified up to said predetermined magnification and having the similarity and a Fractal filter processing section which performs an operation for correction of picture element values of both corresponding picture elements of said interpolation transformed image and said Fractal transformed image and outputs picture element values for enlargement of the image.

8. The device of image transform as defined in claim 7 characterized in that said Fractal filter processing section calculates picture element values used for said enlargement of images by weighting the difference in picture element values between both corresponding picture elements of said images and by adding the weighted difference to the picture element values of either of said interpolation transformed image and said Fractal transformed image.